CENTRAL INTELLIGENCE AGENCY

S-E-C-R-E-T

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This is UNEVALUATED Information

SOURCE EVALUATIONS ARE DEFINITIVE. APPRAISAL OF CONTENT IS TENTATIVE.

25X1

Object 29

1. Each of the three drilling sections of Object 29 has fifty drilling derricks, of a portable wooden construction, complete with:

   a. a drill of USSR construction, type K 500, each derrick capable of operation to a depth of 500 m.

   b. a two-stemmed piston pump, 25 atmos, coupled to the drill (Zweistangenkolbenpumpe)

   c. a 15 kw motor to drive over a two pulley system, both the pump and also the bore rods

   d. 500 m. bore rods, two fluid mud containers (Dickspulbehaelter) and about 50 m. of casing (Futterrohr).

2. The crew of a drilling derrick consists of six men working in three shifts of two. A chief driller (Oberbohrmeister) supervises the work of ten derricks. One motor truck (LKW) for every ten derricks is provided for transport of equipment.

3. The tasks of the Karandash Abteilung are to supervise the progress of boreholes and to determine the geophysical conditions. This section employs 80 men.

4. The Karandash Abteilung has at its disposal about 14 special trucks mounted on 219 ifs and GAS 51 chassis. The apparatus in the special trucks is capable of measuring the angle of inclination (Winkelneigung) of the boreholes and the radioactivity of the boreholes. The first is done by German personnel; the second, using the Goldfisch, exclusively by Russians.

5. The Geophysical Section is responsible for testing the cores forwarded from the drilling sections. The section consists of a section leader, a deputy section leader, a technical head and about fifteen laboratory workers, and about ten soldiers; all the personnel are Russian.

S-E-C-R-E-T

25X1

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(Note: Washington distribution indicated by "X"; Field distribution by "#".)

7. At Wandsleben the systematic water sampling has shown that good finds of ore might be expected in the area, which is now being prepared as a boring site. Negotiations are in progress with the town authorities for the accommodation of men, trucks, and materials; 30 Russian soldiers as guards are already quartered in Wandsleben and it is intended to increase this number to 200. Three UKBs[2] are already working in the area, and it is expected that hand-boring up to depths of 50 m. will also begin soon. 25X1

8. At the end of August, water samples in the Gross Rodensleben near Magdeburg area showed promise; more samples are being taken.

9. At Culmitzsch, drilling has indicated ore veins at a depth of 80 m. Mining began again in the Schacht on 15 August 1955. Water which had collected in the Schacht during the time it lay idle had to be pumped out first.

10. At Stolzenburg, work is being done to expose a new vein of ore, believed to be Sorte I (the best), running from Stolzenburg in the direction of Grossenstein. The vein is about 2 m. thick, 8-15 m. deep, and about 80 m. long. Ore of Sorte II and III lying above the vein is at present being stored in dumps but when the transport facilities at Stolzenberg are adequate to handle it, it will be forwarded to a concentration plant.

11. In the areas in which Object 29 works, ore is separated into Sorte I, II, III, IV, and V; Sorte I to III are shipped away when mined; Sorte IV and V are dumped to await shipping when transport facilities permit. In the main, ore of Sorte III is mined. For example, at Schmirchau it is estimated that 10% Sorte I and 70% Sorte III is mined; the remainder is Sorte II and IV.

Karriere Stolzenberg

12. Stripping in this area was to be finished in mid-September. Some ore has been produced in the stripping since the beginning of August, but the main vein is not yet fully uncovered. Fencing in of the area began in the middle of August. Before mining begins, the whole 1½ sq. km. area will have been enclosed. The dumps are outside the enclosed area.

Schmirchau

13. a. The building of Schacht installations at Zentral Schacht Schmirchau continues to make progress. Both hoisting derricks are of steel, and the Schacht entrance, diameter 8 m., is also of steel construction. The whole area of the installations, about 2 sq. km., is enclosed.

b. The new Schacht being built by Object 11 is to be put into service by Object 90 by about the end of October.

Comment: The Goldfisch is always heavily guarded by the Russians, who, when it is lost down a borehole, as occasionally happens, bore a parallel hole until the level at which the Goldfisch lies is reached, insert explosives and demolish the lost instrument rather than take the risk of leaving it in the ground. 25X1

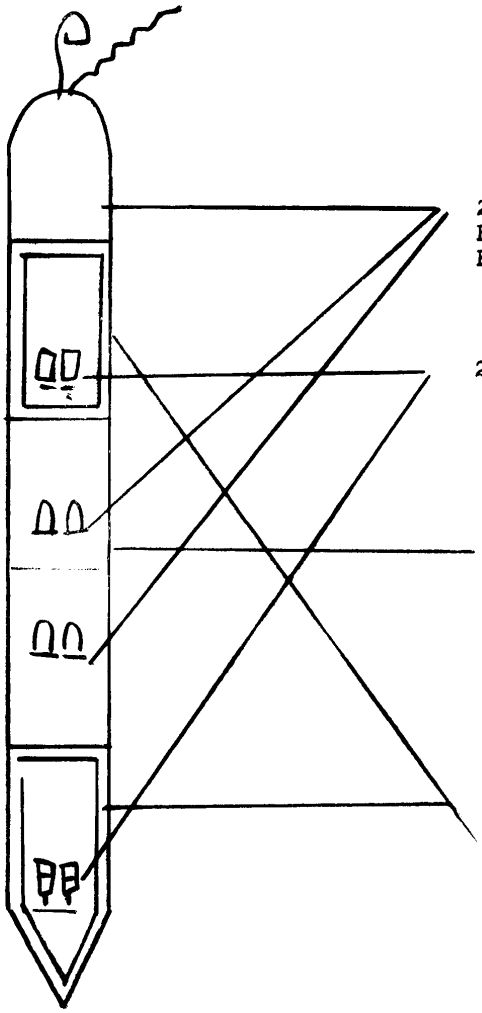
25X1

25X1

Comment: A UKB is a type of two or three axled vehicle on which drilling equipment is mounted.

The Goldfisch

The Goldfisch is a torpedo-shaped instrument about 1.20 m. long and 65 mm. in diameter. (The old model of the instrument was 90 mm. in diameter; the newer one, as stated, is somewhat more slender.) At the rounded end is a hook with locking device on to which the cable of six 20 mm. wires is hooked. The body of the Goldfisch is split up into five chambers; the main casing is of steel, 4 mm. thick. The second and fifth chambers, reckoned from the hook end, are encased in lead, and the point of the Goldfisch is solid lead.



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